The Supplier of Choice for Innovative Cockpit Avionics and Advanced Display Solutions

Esterline Avionics Systems

www.esterline.com/avionicssystems
The Esterline Avionics Systems business is recognized globally for its CMC Electronics brand of innovative cockpit systems integration and avionics solutions as well as its advanced avionics displays and CODIS® brand of displays for rugged ground and naval, and air traffic control applications. The Simulation Visual Systems family of TREALITY® products adds best-in-class technology for military and commercial flight simulation and training.

The Esterline Avionics Systems business platform has an international presence with strategically located operations to serve its customers around the world. Its manufacturing operations are located in Canada, the United States and Belgium, complemented by a global network of sales and support locations in France, Germany, Poland, Singapore, India and Israel.

Esterline Corporation (www.esterline.com) (NYSE Symbol: ESL), is a leading worldwide supplier to the aerospace and defense industry, specializing in three core areas: Advanced Materials; Avionics & Controls; and Sensors & Systems. With annual sales of approximately $2 billion, Esterline employs roughly 13,000 people worldwide.
QUALITY SYSTEM
The company has developed and implemented a Quality Management System to demonstrate that it is continuously maintained for effectiveness and process improvements in accordance with the requirements of ISO 9001:2008 and AS9100. The internal audit process is compliant to ISO 19011. The company’s electronics processes (checklist AC7120) at its main facility have been Nadcap accredited by the PRI.

Pertinent Approval Certificates

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<td>EASA Part 145 Approval</td>
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<td>Special process (Nadcap); electronics</td>
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CONTINUOUS IMPROVEMENT
In the area of Continuous Improvement, the company generally follows the Lean methodology principles to reduce costs and reduce waste in all of its manufacturing, administration, transaction and design processes. Six Sigma methodology is also used to reduce variations and costs. The company primarily focuses its efforts on the needs of its external and internal customers. The deployment of the strategy and objectives across the company is based on the Hoshin Kanri methodology and action plans are established based on the PDCA (Plan Do Check Act) cycle.
Recognized as the Leading Supplier of Cockpit Avionics for Military Trainer Aircraft
COCKPIT SYSTEMS INTEGRATION

Cockpit Retrofits
New Cockpit Builds
Human Factors Engineering

AIR TRANSPORT AIRCRAFT

C-130

B747

KEY AVIONICS SUPPLIER TO HELICOPTER OEMs

UH-60M
CH-148 (H-92)
AH225
CH-146
Display Solutions

Modules and Control Assemblies

Video Displays

Smart Displays

Avionics Software and Application Services

The Number One Independent Supplier of High-Quality Avionics Displays

Modules and Control Assemblies

Keyboards and Bezels

Control System Assemblies

Control Displays
The Number One Independent Supplier of High-Quality Avionics Displays

DISPLAY SOLUTIONS

MODULES AND CONTROL ASSEMBLIES

VIDEO DISPLAYS

SMART DISPLAYS

AVIONICS SOFTWARE AND APPLICATION SERVICES

VIDEO DISPLAYS

SMART DISPLAYS

CRT to LCD Upgrades

Multi-Function Displays
DISPLAY SOLUTIONS

MODULES AND CONTROL ASSEMBLIES
VIDEO DISPLAYS
SMART DISPLAYS
AVIONICS SOFTWARE AND APPLICATION SERVICES

AVIONICS AND MISSION COMPUTERS

AVIONICS SOFTWARE AND APPLICATION SERVICES

Applications
- Primary Flight Display
- Synthetic Vision System
- Digital Map
- Enhanced Vision System
- ...

MOSArt services
- Certification support
- Training
- Project config tools
- Maintenance tools
- Programming tools

MOSArt and SIMphony

AVIONICS AND MISSION COMPUTERS

PU-3000
CMA-5000
FV-4000
DISPLAY SOLUTIONS

RUGGED
RUGGED DISPLAYS
RUGGED COMPUTERS & SMART DISPLAYS
RUGGED NETWORK ADAPTERS
RUGGED CONSOLES
CUSTOM DESIGNS

AIR TRAFFIC CONTROL
REAL TIME NETWORK ADAPTOR
TOWER CONTROL DISPLAY
MAIN DISPLAYS
SUPPORT DISPLAYS
MAIN DISPLAYS

Featuring CODIS® RUGGED SOLUTIONS

Featuring CODIS® AIR TRAFFIC CONTROL SOLUTIONS
NAVIGATION AND FMS/GPS

FLIGHT MANAGEMENT SYSTEMS (FMS)
GLOBAL POSITIONING SYSTEMS (GPS)
DOPPLER VELOCITY SENSORS

CMC’s FMS — The Leading Choice for Classic Cockpit Modernization Retrofits
CMC’s GPS — The Aviation Industry’s Navigation Standard

FLIGHT MANAGEMENT SYSTEMS

CMA-9000 Commercial FMS
CMA-4000 Military FMS

GPS PRECISION APPROACH RECEIVERS

CMA-6024 GBAS GLS + WAAS LPV GPS + ADS-B Out
CMA-5024 WAAS LPV GPS + ADS-B Out
CMA-3024 ADS-B Out GPS

CONTROL PANEL

CMA-5025

DOPPLER VELOCITY SENSORS

CMA-2012
ELECTRONIC FLIGHT BAGS

PILOTVIEW® ELECTRONIC FLIGHT BAGS

PILOTVIEW® AIRCRAFT INFORMATION SERVERS

TACVIEW® PORTABLE MISSION DISPLAYS

CMC’s EFB — The Number 1 Choice of Business and Commercial Air Transport Aircraft OEMs

ELECTRONIC FLIGHT BAGS

CMA-1612
12.1” Electronic Display Unit (EDU)

CMA-1410
10.4” EDU

CMA-1310
10.1” Tablet

CMA-1100 Mk3
8.4” EDU

AIRCRAFT INFORMATION SERVERS

PilotView® Aircraft Information Servers

PORTABLE MISSION DISPLAYS

TacView® Portable Mission Display
ENHANCED VISION SYSTEMS

SUREVISION INTEGRATED SENSOR SYSTEMS

HEAD-UP DISPLAYS

DIGITAL SPARROWHAWK™
SPARROWHAWK™
HELIHAWK®

ENHANCED VISION SYSTEMS (EVS)

SureSight™
Integrated Sensors
CMA-2700, CMA-2600

HEAD-UP DISPLAYS

Digital SparrowHawk™
SparrowHawk™
HeliHawk®
COMMUNICATIONS

SWIFTBROADBAND, SWIFT 64, AERO-H AND AERO-H+ AND AERO-I SATCOM ANTENNAS

On-board communication systems, providing superior value in meeting evolving voice, data and video communications needs.

MICROELECTRONICS

CUSTOM HYBRIDS
OPTICAL DETECTORS AND RECEIVERS
FIBER OPTIC PRODUCTS

SATCOM ANTENNAS

CMA-2102, CMA-2102LW Light Weight and CMA-2102SB SwiftBroadband

CMA-2200SB
SwiftBroadband

Diplexer/Low Noise Amplifier
Beam Steering Unit

MICROELECTRONICS PRODUCTS
SIMULATION VISUAL SYSTEMS

DIRECT PROJECTION DOMES
CROSS-COLLIMATED COCKPIT DISPLAYS
REAR PROJECTION DOMES
CUSTOM DISPLAY DESIGN CAPABILITY
VISUAL SYSTEM UPGRADES

The Industry’s Broadest Portfolio of Simulation Visual Systems

Featuring TREALITY™ Products

Rear Projection Dome
RP-360

TD-Series

SEER
Mini-Dome
GLOBAL PRESENCE

Montreal, Canada
Ottawa, Canada
Everett, Washington
Sugar Grove, Illinois
Xenia, Ohio
Duluth, Georgia
Kortrijk, Belgium
Toulouse, France
Tel Aviv, Israel
Bangalore, India
Singapore

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Featuring CMC ELECTRONICS, Advanced Displays, CODIS® and TREALITY Products

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CAPABILITY-17_015